for the purpose of comparison, a genuine coin of Firáz (from my own cabinet). Figs. 44 and 45 are specimens of Class 1, variety 2, subvarieties a and b. These show the imitation of Firáz's head in crude execution; in fact, but for the existence of the specimens of the first variety, it would be impossible to recognize any likeness to Fíráz. The two subvarieties only differ in the relative position of the star and crescent on the reverse; in subvariety a the star is on the left, and in subvariety b it is on the right side. Fig. 46 shows a specimen of Class I, variety 3, being an obverse with the moustached face. Fig. 47 is a specimen of Class II, which bears a barbarian head in the place of the imitation of Fíráz's head.

P. S. Sinco writing the above, I have come across, among a lot of half-forgotton coins of the Society, five specimens of this Indo-Sassanian type. They were marked: "Received January 1871; five undefined silver; donor Dr. Newman." With the exception of one which belongs to class I, variety 1, they are in a very indifferent condition.

The Márwár coins have, as usual, been distributed under the provisions of the Treasure Trove Act; selected specimens having gone, among others, to the British Museum and the Asiatic Society of Bengal.

On some new or rare Hindú and Muhammadan Coins. No. II. By Dr. A. F. Rudolf Hoernle. (With two Plates.)

The first paper under this heading was published by me in volume LVIII of this Journal for 1889. I published in it two gold coins, of Paramarddi Deva and Víra (or Bála) Varmma respectively, which were found among a lot of 506 coins, collected by Bábú P. C. Mukherjí, on special duty with the Archaeological Survey, and which are now deposited in the Indian Museum in Calcutta. A short classified list of the Bábú's collection was published in the Presidential Address, in the Proceedings for February 1889, on page 65. I now proceed to publish the more detailed account which was promised in that address.

The collection contained (besides a very large number, more than a third, of illegible and useless specimens) coins of the following classes: 2 Roman, 2 silver Venetian, 8 copper Bactrian, 22 earlier and later copper Indo-Scythian, 5 silver and 6 copper Guptas, 3 silver Saurashtrian, 2 copper Valabhís, 3 silver punched, 75 old Buddhist and 107 old Hindú copper (including 42 of the Mitra, 16 of the Datta and 25 of the so-called Satrap series), 1 copper Yandheya, 17 silver or copper

Indo-Sassanian, 1 silver Arsaside, 1 silver Sassanian, 7 gold and 1 copper Rathor and Chandel, 2 copper Káshmír, 5 copper carly Rájpút (Bull and Horseman type), 6 copper carly Pathán, 1 copper Kángrá, 1 copper Málvá, and 4 modern coins.*

I shall only notice those which are either new, or for other reasons noteworthy.

Among the Roman eoins is one of Gallienus (A. D. 253—268), of impure silver, and probably a forgery, as it has a blundered legend on the obv., HVID CD for IMP. CP. The reverse has VIRTVS AUGG, and shows Gallienus and his son Saloninus standing face to face, holding conjointly a small globe on which is a small figure of victory. Comparo the medallion described in Num. Chron., (New Series), Vol. VII, p. 6, pl. I, fig. 3. This coin was obtained at Bombay.

Among the Bactrians, there is a copper coin of Soter Megas, like that in Br. Mns. Cat., pl. XXIV, fig. 5, and perhaps in rather better condition. It shows on the obv. the head of the king, filletted, to right, apparently without any legend. The rev. shows a drapped figure to frout, apparently standing and holding a spear in each hand; or it may be the enthroned Zeus as on the coins of Hermaeus and others, the 'spear' being the side-posts of the throne. Of the rev. legend there only remains AEY BAZIA There is probably a second specimen of this same coin, but there is nothing distinguishable on it, except ... OTHP ... on the reverse. I believe this is a rare coin; and I am not sure that its attribution to Soter Megas is correct.

There are, further, among the Baetrians two silver eoins (duplicates), the attribution of which I do not know. I believe this coin is not new, but I do not remember having seen it published. Accordingly I have shown it in Plato VI, fig. 1. Obv., helmeted head, LAECA; rev., quadriga and MPO. Both specimens are from Bombay.

Both Venetians are of silver, on the whole of the same type. But one is of mere silver-foil and excessively crude execution, with no apparent legends, and is probably a forgery. The other, a silver dueate, is an exact counterpart of one published in the Num. Chron., Vol. VI, (third Series), pl. V, fig. 98; with the exception, however, that the name of the doge, along the left hand margin, is not Dandolo, but some other not quite legible name. Silver dueates of this type began to be struck from the time of Enrico Dandolo (A. D. 1192—1205).

Among the Indo-Scythians, there are two eopper coins, a NANA PAO of Kanerki and a 'king's bust' (as in Brit. Mus. Cat., pl. XXVIII,

^{*} The numbers and classification differ slightly from those given in the Address, on account of some useless specimens having since been excluded, and some others re-classified.

fig. 9) of Hverki, of types only existing in gold. It would seem, therefore, that these two coppers are ancient forgeries, the gilt of which has worn off.

There are also a small copper Hverki, of the 'elephant-rider' type, and three small copper Bazdeo, of the 'Siva and Bull' type. These are well-known types, but ueither of them, I believe, have ever been published. They are shown in Plate VII, figs. 1 and 2. They are miniatures of the corresponding coins of the ordinary size, as in Brit. Mus. Cat., pl. XXIX, fig. 2 and fig. 14, or Ariana Antiqua, pl. XI, figs. 4, 7. The Bazdeo weighs 51,61 grains.

There were no gold coins among the Indo-Scythians; and those

extant were all obtained at Mathurá.

Among the LATER INDO-SCYTHIANS, there are two which on the whole show the type of the coin figured in Ind. Ant., vol. I, pl. XXXIV, fig. 13; but in the present case, the medial cross-like symbol, on the obverse, is flanked not (as there) by two curves, but by two tridents. The reverse has the usual 'Siva and Bull.' Weight 67.67 grs. See Plate VII, fig. 3. They are from Mathurá.

Among the Gupta coins, which are all of the Suráshtrian type, are two copper forgeries, portions of which are still well covered with silver. See Mr. Smith's remarks in his Coinage of the Imperial Guptas, in the Journal R. A. S. for 1889, p. 144. These forgeries are said to have been obtained at Kanauj.

To the Gupta class I am also disposed to refer the coin of which I publish three figures in Plate VI, fig. 9, 10, 11, and which, I believe, is a quite new type. There are three specimens, all of copper, and all in rather poor condition. One side is utterly unrecognizable in all three; on the other side (the obverse?) they all show three figures standing, a king with two attendants, dressed in tunies or armour. Tho king, in the middle, facing front, holds up something in his right hand. The attendant to his proper left, holds the royal umbrella over him; the attendant on his proper right holds a spear or standard in his right hand. In fig. 11 the king and the attendant to his left can be seen, while in fig. 10 the king and the attendant to his right are seen, also the umbrella over the king. Fig. 9 shows all three figures together, but they are difficult to distinguish. I would attribute these coins to Chandra Gupta II, of whom coins of the 'umbrella' type, both in gold and in copper, are known to exist. See Mr. Smith's Coinage, pp. 12, 13. 91, 138. In the latter coins the king has only one attendant on his proper left, holding the umbrella over him.

The two Valabhí coins I am disposed to refer to this class, because they closely resemble certain silver coins of the 'trident' type, which

are usually attributed to the Valabhís (see E. Thomas' paper in J. R. A. S., vol. XII (Old Series) and Smith's Coinage, p. 137). These general characteristics are those of the Suráshtrian group of coins. I believe, copper specimens have never been published. Obv., head to right, covering the whole surface of coin; rev., trident surrounded by an imperfect marginal inscription. Weight, 29.30 and 23.97 grs. From Bhavanagar. Seo Plate VII, fig. 4 a and b.

Among the Rather and Chandel coins were those two of Paramarddi and Víra Varma which I have already mentioned. In this class—to judge from its general appearance—I would also place the copper coin which I have figured in Plate VI, fig. 7, though I am unable to read it satisfactorily. Curiously enough the legends on the two sides seem to be identical, and to run as follows:—

गविदच g[o]vi[m]da cha रणप्रण ra ṇa pra ṇa ◦ दे * de

There was one coin in Bábá P. C. Mukherji's collection, of which I can make nothing. It is shown in Plate VI, fig. 8. The obverse shows two busts side by side, one rather smaller than the other. The reverse has what looks like I and B with a kind of cross between them, occupying about three-fifth of the surface of the coin; below them and separated by a line are four much effaced letters, of which only the third is somewhat distinct and looks like the old Nágarí π ja, but may be a capital E. The coin was obtained at Mathurá.

I now proceed to describe the other coins figured in Plate VI. Figures 2-5 all are Gupta gold coins, received from Mr. Rivett-Carnae for publication. Fig. 2 is a so-ealled Ghatotkacha of the usual type, and it is only shown in the plate, because it is a rather well preserved specimen. Its weight is 115, 6 grains. On what is probably the true attribution of these coins, see Mr. Smith's Coinage, pp. 74-76. Fig. 3 is a Samudra Gupta of the 'battle-axe' type, published for a similar reason. Its weight is 113, 7 grains. Fig. 4 is the Chandra Gupta II, of the Class II A 'archer' type, referred to by Mr. Smith in the Addenda to his Coinage, p. 158. On the reverse the goddess is shown with her right leg flat, while the left is raised and supports her left elbow. Usually she is represented with both legs crossed flat. The weight of this coin is 123 grains. Fig. 5 is the Chandra Gupta II, of the 'combatant lion' type, also referred to by Mr. Smith, ibid., p. 158. The legend on the obverse runs along the margin from the right to the left, but only its concluding portion, on the left, is legible. It is सिंद्धाभिज 'clever in killing lions.' Of the preceding letter only a portion is preserved, and it looks like a subjoined z ta or য ya; it might be মা bhatta 'valiant.' or वांचा vánchhya 'desired,' or some such word. The reverse legend is the usual सङ्खिनका 'with the power of a lion.'*

Plate VI, fig. 6 is the unique gold coin of the Bengal Sultán Jalaluddín Fath Sháh, mentioned in the Presidential Address, p. 66 of the Proceedings for February 1889. It was obtained from Maldah, were it was found by a common man, washed out of the ground by the rains. It reads as follows:

The legends may be translated thus:

Obverse: The Sultán, who is enlightened by the light of the Chosen (and) the Divine, who is entitled 'Sultán of those who are devoted to vigils and contemplation';

Reverse: The Shaikh, who waits on the Qadam Rasúl, Jaláluddunyá wau-d-dín Abul Muzaffar Fath Sháh, the son of the Sultán Mahmúd Sháh. (Coined from) the Revenue of 890.

Jalálu-d-dín is said to have reigned from 886—893; see this Journal, vol. XLII, p. 281. The coin is dated 890.

Qadam Rasúl is the name of a famous place of pilgrimage near Dacca (see *ibidem*, p. 284). Another is said to be near Cuttack. The inscriptions of Bábá Sálih (*ibid.*, p. 283) always speak of two such places. It is probably the shrino near Dacca that is intended on the coin.

On the silver eoinage of the Súrí a good deal of information has been already published, especially by Mr. Ch. J. Rodgers; see ante, p. 154. Still a collection of coins, received in September 1889 from the Government of the N.-W. Provinces, enables me to add a few novelties.

Sher Shah is profuse in the variety of design of his rupees, and it may be well as a matter of convenience, for the purpose of reference, to bring them into some definite classification. I would suggest the following:

TYPE I, two square areas with marginal sections.

VARIETY 1, areas single-lined, date and Nágarí name on obv. area; as-Sulţán al-'A'dil on rev. area. Common.

^{*} Mr. Smith in Coinage, p. 88, has the remark: "A. C. has two coins of Chandra Gupta "killing lion," under the 'lion-trampler' type." But they would seem to be the same as that now published.

[†] The references in brackets are to published specimens. I regret that the Brit. Mus. Catalogue is not available to me.

- Subvariety a, without saltanat, and without mint. (Chron., No. 351; Ind. Ant., vol. XVII, pl. I, fig. 2, 14; Marsden, No. DCCXXX.)
- Subvariety b, with saltanat, and with mint on obv. margin. (Ind. Ant., ib., pl. I, fig. 3, 5).
- VARIETY 2, areas single-lined, date and Nágarí name on obv. area, mint on obv. margin; but as-Sultán al-'A'dil on rev. margin. Common.
 - Subvariety a, date on top. (Chron., Nos. 344, 352; Ind. Ant., ib., pl. I, fig. 4, 6.)
 - Subvariety b, the same, but thin and broad. (Chron., No. 353.)
 - Subvariety c, date on left side. (Ind. Ant., ib., pl. I, fig. 13, pl. II, fig. 17).
 - Subvariety d, date at bottom. (Ind. Ant., ib., pl. I, fig. 1.)
- Variety 3, areas single-lined, date on obv. area, mint on rev. area, Nágarí name on obv. margin. (Chron., No. 354). Very rare.
- Variety 4, areas double-lined, date, mint and Nágarí name on obv. margin. (Ind. Ant., *ib.*, pl. I, fig. 7; probably Chron., Nos. 345, 346, 347). Rare.
- TYPE II. Two circular areas, with circular margins.
 - VARIETY 1, areas single-lined, date and Nágarí name on obv. margin.
 - Subvariety a, no mint. (Chron., No. 348, pl. V, fig. 179; Ind. Ant., ib., pl. I, fig. 8, 9; Marsden DCCXXXIII). Common.
 - Subvariety b, the same, but thin and broad. (Ind. Ant., ib., pl. I, fig. 12, 15). Rare.
 - Subvariety c, with mint on obv. margin. (Chron., No. 350; Ind. Ant., ib., pl. I, fig. 11). Not uncommon.
 - VARIETY 2, areas single-lined, Nágarí name and mint on obv. margin, but date on obv. area. (Ind. Ant., ib., pl. I, fig. 10). Rare.
 - VARIETY 3, areas double-lined, date and Nágarí name on obv. margin, but mint on obv. area. (Ind. Ant., ib., pl. II, fig. 16; probably Chron., No. 349). Very rare.
- TYPE III, Lettered surfaces, no margin. (Chron., No. 343). Unique.
- TYPE IV, square coin, lettered surfaces, no margins or sections. (Ind. Ant., ib., pl. II, fig. 18). Very rare; perhaps forgeries.
- The main distinction between the two first varieties of type I is,

that in variety 1 the title as-Sultán al-'A'dil is placed on the area, but in variety 2 it is placed on the margin. Neither Mr. Thomas nor Mr. Rodgers seem to have recognised this fact, as in all the specimens of variety 2 which they have published, they omit to read as-Sultán al-'A'dil on the rev. margin; see Chron., pp. 396, 401, Ind. Ant., vol. XVII, pp. 65—67. The fact is, that in the majority of coins of this variety, by some unlucky change, that section which contained the phrase is entirely or almost entirely lost. But in order to place this point beyond dispute, I now publish a specimen, in which the section referred to is intact. It belongs to subvariety e, with the date on the left side of the area. Weight, 172.37 grs. See Plate VII, fig. 5. I have only seen two specimens which had this particular section intact, though a large number have passed through my hands.

I may here note, that the Nágarí names on the Súrí coins, published in the Indian Antiquary, vol. XVII, pp. 65—67, are mostly misread. For example, on No. 1 (p. 65) the name reads श्री सीर साइ, not श्री धेर साइ, not श्री धेर साइ, not श्री धेर साइ, so also on No. 5. On Nos. 8, 10, 16 it is साइी, not साइ. On No. 7, the Nágarí name is not on the reverse (as given ou p. 66), but on the obverse margin. On No. 6 it is entirely omitted (on p. 66), though it stands on the obverse area (pl. I, fig. 6) and reads श्री साइ. The top-curves of the i-vowel are here omitted, so that they all look like i-vowels; or rather, I should say, the top-curves are run into the cross-bar above the Nágarí; this is also the case in No. 1 (pl. I, fig. 1).

There is a great variety observable in the spelling of the Nágarí name. As a rule the dental s (3) is used, though occasionally the palatal s (श) ocenrs, especially in the word Sri (श्री). Sher is spelled commonly ser (बेर), often sir (चीर), rarely siri (चीरी). Shah is usually in spelled sáh (साइ) or súhí (साइ); sometimes sáhi (साइ), rarely sah (सइ). I have only met with one instance, in which S'ri is repeated. It is shown in Plate VII, fig. 6. This is a specimen of type I, variety 1, subvariety a. Weight, 172.93 grs. The Nagari portion runs thus: भी भी भेर भादी (or perhaps भेर माही) Si Si Ser Sahi. Another point worth noticing in this particular coin is the extreme erudeness of execution in the bottom section of the obverse marginal inscription. The right hand section still shows clearly enough والدين; accordingly I suppose that the rude serawls in the bottom section are intended for ابوالمظفر; though perhaps they may be meant for فريد الدنيا, for the parts of the legends in the several sections do not always follow one another in proper order (see e. g., Ind. Ant., vol. XVII, pl. I, fig. 14). But the euriosity is that, with the exception of the bottom section, the rest of the legends in the areas and sections should be so fairly well executed.

In Plate VII, fig. 7, I give a rupee of Islám Sháh with a curiously blundered Nágarí name. It seems to read ची चन्न चंड or शी स्नम सह, probably the latter; but the स (or च) of स्नम and सह differ slightly from the स of सी by an additional stroke, which would seem to take the place of, or indicate the omitted vowel द of दमलाम and the omitted vowel चा of साइ. But it is hopeless to account for the ignorant vagaries of the dye-sinkers of those times! Its weight is 171.71 grs.

In Plate VII, fig. 8, I publish a new type of rupeo of Muḥammad Sháh Adil. It has square areas with marginal sections, and a Nágarí name, like his ordinary rupee; but it gives the mint name Jhúsí on the obverse, and the date on the reverse area. Jhúsí is now a small place elose to Allahabad. Weight, 170.71 grs.

Areas: Obv.	Rev.
ل عدل	لا الله الا الله
سلطا صحيد	رسول الله
خلد الله ملكه	محمد عاد [٩]
ضرب جهوسي	
खी महमद माइ	
Margins: illegible.	ابا بكر الصديق : top
	عمر الفاروق : left
	bottom: } illegible.
	right: } megible.

Since writing my paper on the copper coins of the Súrí dynasty (ante, p. 154), I have accidentally come across a lot of half-forgotten Súrí coins of the Society. I am able, from it, to add another variety and subvariety to my former list of dáms.

Plate VII, fig. 9 gives a subvariety e, to type II, variety 2 (ante, pp. 160, 161). The date is 948. Weight 317.15 grs. The legends are arranged as follows:

Obv.	Rev.
فى عهد	ابوالعظفو
لامدوالحام	السلطا
الدين الدنان	شير
9 1° A	ls
•	خلد ملکه

Plate VII, fig. 10 gives a new variety of type II. It is, therefore, variety 6 (ante, p. 162). The mint is Kálpí, the date 94*. Weight 307.00 grs.

Obv.	Rev.
ا س	ılla
السلط لعدل	خلد ملکے
ابوا شــــــــــــــــــــــــــــــــــــ	ضرب * كالدي
لمظفر شاه	91c *
ماکه براطانه	

I may also take this opportunity to give figures of two half-dáms of Sher Sháh and one of Islám Sháh from the Society's collection, as a matter of convenience; for, I believe, figures of them have never been published. They are simply miniatures of the corresponding dáms.

Plate VII, fig. 11 gives a specimen of Sher Sháh's half-dám of type I, variety 1, subvariety b. See ante, p. 156, and plate III, fig. 2. The mint is Kálpí; and the date, on the obv. margin, barely visible, is 95*. On the obv. margin الدين الدنان, with the final placed across the alif of b, is clear. Weight 152.86 grs.

Plate VII, fig. 12 gives a specimen of the same king's half-dám of type II, variety 1, subvariety a. See ante, pp. 158, 159, and plate III, fig. 13. The date is 951. The obverse reads clearly الدين الدناس, with the w placed as above. Weight 156.01 grs.

Plate VII, fig. 13 gives a specimen of Islám Sháh's half-dám, of type II, variety 2 or 3. On the reverse ابرالبطفر falls outside the face of the coin; so also the date on the obverse. The dic, used for these half-dáms, was evidently the same as that for the dáms. Weight 153.09 grs.

I may add, that I found among this lot of the Society's coins, two curious forgeries; viz., imitations in copper of silver rupees of Sher Sháh and Islám Sháh, which they resemble in size, thickness and design. One is an exact counterpart of Sher Sháh's rupee, as shown in the Indian Antiquary, vol. XVII, plate I, fig. 14, the other of Islám Sháh's rupee, as shown ibidem, plate II, fig. 29. Their excention is not very good, but quite as good, as the silver originals. They look like old forgeries, intended to be silvered and passed as rupees. There is now no more any trace of silver to be seen on them. Their weight is a little short of that of a rupee, which would allow for the silver coating.

Among a lot of rupees, lately received from Gurdáspur, in the Panjáb, I found two of considerable interest. One is a rupee of Nádir Sháh, struck in Peshawer in the year 1160 A. H. See Plate VII, fig. 14. It is similar to those published by Mr. Rodgers in the Numismatic Chronicle, vol. II (third Series), pl. XV, fig. 2, 3; but its date is his-

torically noticeable, showing that Nádir retained his hold on Peshawer, at least, till the year before his death. Weight 173.86 grs.

The other is a rupee of somewhat doubtful attribution. It shows the title of 'Sháh Jahán the Second' (Sháhjahán sání); and for this reason, I was disposed to ascribe it to Rafi'u-d-daulah, who is commonly known as Sháhjahán the Second. But being doubtful, I referred the eoin to Mr. Rodgers. Ho informs me, that he also possesses a specimen of this coin, which he also had hithorto attributed to Rafí'u-d-daulah. But he now prefers to attribute these coins to Shah 'Alam I, who, he says, in the beginning of his reign, called himself Mu'azim Sháh,—a name that occurs on the coin. The coin is dated on the reverse in san ahad jalus, 'the first regnal year'; on the obverse it has *** 9 A. H., which would agree with 1119, the first year of Shah 'Alam's reign. The mint is Tattah. I believe, my coin and that of Mr. Rodgers are the only two specimens at present known to exist. Neither is in perfect preservation, and I give them both in Plate VII, fig. 15 a and b. Weights 175.76 and 176.47 grs. respectively. Mr. Rodgers reads the verse on the obverse as follows:

سکه مبارک بر هفت کشور زد بر مهر و مالا : Obverse شالا جهان ثانے سلطان معظم باد شالا

With regard to one of the coins (No. 3), described in my first paper (see ante, p. 32), I have to make a correction.* At that time, I believed it was unique or at least unpublished. In fact, however, it had been twice published before; once by Mr. Delmeriek in this Journal, Vol. XLIV (for 1875), p. 126 (pl. IX, fig. 4), and afterwards by Mr. Rodgers, in the *Proceedings*, A. S. B., 1879, p. 179 (pl. IV, fig. 11). Mr. Rodgers was kind enough to point this out to me; and I much regret the oversight. With the evidence of these two coins before me, I agree with Mr. Rodgers, that that particular coin should be attributed to Tughlaq I. I was misled by the title al-Mutawakkil 'Ali Allah, which, I supposed, might have been assumed by Tughlaq, in allusion to the comtemporary Khalif. Now it was the Khalif Abi 'Abdullah who bore that title, and who reigned, with an interruption of several years, from 763 till 808 A. H.; see Chronicles, p. 258. And his date only agrees with Tughlaq II. However, the date on Mr. Delmerick's coin decides the question. It shows clearly the number عشرين twenty, and though the unit and hundred figures are indistinct, it certainly places the coin somewhere between 720 and 729. This only agrees with Tughlaq I, who reigned from 720-725, but not with Tughlaq II,

^{*} This coin, as well as the others from the Hoshangábád find, noted as unique, are now placed in the British Museum, London.

who reigned 790—791 A. H. Tughlaq I's title al-Mutawakkil 'Alí Alláh may be eompared with the title al-Mutawakkil 'Alí ar-Raḥman, which was assumed just a century later, by Mubárak Sháh (824—837 A. H.) and afterwards by the Lodí kings (Bahlol, Sikandar and Ibrahim); see Chronicles, pp. 333, 358, 366, 376; and also by Islám Sháh, sec ante, p. 167.

With regard to the Kumára Gupta gold coins of the 'peacock' type (Mr. Smith's Coinage, p. 105) it may be worth noting, that on the specimens of the variety α there are two peacocks on the obverse, whom the king is feeding; and not only one, as all the descriptions which I have hitherto seen would seem to imply. On a specimen in my own collection the fore-part of the bodies of both birds is quite distinct, and even in the autotype figure, published by Mr. Smith (pl. III, fig. 1), the head of the second bird is quite distinct, behind the front-one. In the specimens of variety β , however, there appears to be only one bird.